

Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in this application:

Listing of Claims:

1 **Claim 1** (Currently amended): Electronic parts mounting method, comprising the
2 steps of:
3 moving a suction section, including a plurality of suction nozzles, to a parts
4 supply section in which a plurality of the electronic parts are stored so that they can be sucked at
5 the same time,
6 sucking the electronic parts stored in the parts supply section onto the plurality
7 of suction nozzles at the same time; and
8 mounting the sucked electronic parts on a board,
9 wherein the plurality of suction nozzles are classified into groups according to a
10 shift amount of the plurality suction nozzles ~~in each group~~, a first group including ~~the~~ first suction
11 nozzles having a shift amount within an allowable range for simultaneous suction, and a second
12 group including ~~the~~ second suction nozzles having a shift amount outside the allowable range for
13 simultaneous suction,
14 and then the electronic parts are sucked at the same time ~~at each group~~ by the first
15 and second groups.

1 **Claim 2** (Currently amended): The electronic parts mounting method according
2 to claim 1:
3 wherein the shift amount is defined between the electronic parts sucked by the first
4 suction nozzles and the second suction nozzles.

1 **Claim 3** (Currently amended): Electronic parts mounting method, comprising the
2 steps of:
3 moving a suction section, including a plurality of suction nozzles, to a parts
4 supply section in which a plurality of the electronic parts are stored so that they can be sucked at
5 the same time,
6 sucking the electronic parts stored in the parts supply section onto the plurality
7 of suction nozzles at the same time;
8 mounting the sucked electronic parts on a board,
9 wherein the plurality of suction nozzles are classified into groups according to a
10 shift amount of the plurality of suction nozzles ~~in each group~~, a first group including the first
11 suction nozzles having a shift amount within an allowable range for simultaneous suction, and a
12 second group including the second suction nozzles having a shift amount outside the allowable
13 range for simultaneous suction,
14 and then the electronic parts are sucked at the same time ~~at each group~~ by the first
15 and second groups;
16 wherein the shift amount is defined between the electronic parts sucked by the first
17 suction nozzles and the second suction nozzles; and

18 calculating a position correction value of each suction section according to the
19 shift amount ~~at each group classified of the first and second groups,~~
20 wherein the electronic parts are sucked at the same time ~~at each group~~ by the first
21 and second groups after correcting a position of each suction section by using the position
22 correction value.

1 **Claim 4** (Currently amended): The electronic parts mounting method according
2 to claim 3,
3 wherein the position correction value of the suction section is an average of the
4 maximum and the minimum of the shift amount,
5 wherein the shift amount is defined between ~~the~~ a center of each of the plurality
6 of suction nozzle nozzles and ~~the~~ a center position of ~~a part~~ an electronic part at a parts suction
7 position.

1 **Claim 5** (Currently Amended): Electronic parts mounting method, comprising the
2 steps of:
3 moving a suction section, including a plurality of suction nozzles, to a parts
4 supply section in which a plurality of the electronic parts are stored so that they can be sucked at
5 the same time,
6 sucking the electronic parts stored in the parts supply section onto the plurality
7 of suction nozzles at the same time;
8 mounting the sucked electronic parts on a board,

9 wherein the plurality of suction nozzles are classified into groups according to a
10 shift amount of the plurality of suction nozzles in each group, a first group including the first
11 suction nozzles having a shift amount within an allowable range for simultaneous suction, and a
12 second group including the second suction nozzles having a shift amount outside the allowable
13 range for simultaneous suction,

14 and then the electronic parts are sucked at the same time ~~at each group~~ by the first
15 and second groups;

16 wherein the shift amount is defined between the electronic parts sucked by the first
17 suction nozzles and the second suction nozzles;

18 detecting each position of ~~a plurality~~ the plurality of the suction nozzles; and
19 calculating a shift amount according to the each position detected,

20 wherein the shift amount is defined between a center position of the plurality of
21 suction ~~nozzle~~ nozzles and a center position of the electronic parts at the point where the electronic
22 parts are sucked.

1 **Claim 6** (Currently amended): The electronic parts mounting method according
2 to claim 5,

3 wherein the center position of the plurality of suction ~~nozzle~~ nozzles is detected
4 after recognizing a tip face of each of the plurality of suction ~~nozzle~~ nozzles.

1 **Claim 7** (Currently amended): The electronic parts mounting method according
2 to claim 6,

3 wherein the center position of the plurality of suction ~~nozzle~~ nozzles is detected
4 after placing an inspection jig on each of the plurality of suction ~~nozzle~~ nozzles.

1 **Claim 8** (Currently amended): The electronic parts mounting method according
2 to claim 3,

3 wherein the shift amount is between the center of each of the plurality of suction
4 ~~nozzle~~ nozzles and the center of ~~a part~~ an electronic part,

5 the shift amount is found by a parts recognition unit for recognizing the suction
6 state of the electronic part onto the one of the plurality of suction ~~nozzle~~ nozzles, and

7 the first and second groups of the suction nozzles and the position correction value
8 of the suction section at each group are changed according to the shift amount,

9 wherein the electronic parts are ~~suck~~ sucked simultaneously at each of the first
10 and second groups.

1 **Claim 9** (Currently Amended): The electronic parts mounting method according
2 to claim 1,

3 wherein the plurality of suction nozzles are classified into one of the first group
4 and the second group in order to suck the parts,

5 wherein, at said each group classified, errors for suction have occurred exceeding
6 a predetermined number of times or the parts suction ratio is less than a predetermined value.

1 **Claim 10** (Currently Amended): The electronic parts mounting method according
2 to claim 1 further comprising:

3 selecting a mode of allowable range for simultaneous suction from several modes;
4 and
5 setting the selected mode in order to classify the plurality of suction nozzles into
6 several groups according to the modes,
7 wherein the modes are divided into several ranks between a mode for giving high
8 priority to productivity and a mode for giving high priority to parts suction ratio.

1 **Claim 11** (Currently amended): The electronic parts mounting method according
2 to claim 2,
3 wherein the shift amount between the center of ~~a part~~ an electronic part at a parts
4 suction position and the center of each of the plurality of suction ~~nozzle~~ nozzles,
5 and the shift amount is corrected by changing a feed amount of the electronic parts
6 from the parts supply section.

Claims 12-16 (Canceled)